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APPLICATION NO. FILING DATE		FIRST NAMED INVENTOR	VENTOR ATTORNEY DOCKET NO. C			
10/666,833	09/19/2003	Andrew H. Segal	11111/2003D	6845		
29933 7:	590 02/17/2005		EXAMINER			
PALMER & DODGE, LLP			LE, EM	LE, EMILY M		
KATHLEEN M	1. WILLIAMS TON AVENUE		ART UNIT	PAPER NUMBER		
BOSTON, MA	02199	1648				

DATE MAILED: 02/17/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application	n No.	Applicant(s)				
Office Action Summary		10/666,83	3	SEGAL ET AL.	,			
		Examiner	<del>-</del>	Art Unit				
		Emily Le		1648				
The MAI Period for Reply	LING DATE of this communication	on appears on the	cover sheet with the c	orrespondence ad	Idress			
THE MAILING  - Extensions of time after SIX (6) MONT  - If the period for rep  - If NO period for rep  - Failure to reply with Any reply received	D STATUTORY PERIOD FOR F DATE OF THIS COMMUNICAT may be available under the provisions of 37 of the from the mailing date of this communicately bly specified above is less than thirty (30) days bly is specified above, the maximum statutory nin the set or extended period for reply will, by by the Office later than three months after the adjustment. See 37 CFR 1.704(b).	ION. CFR 1.136(a). In no everon. s, a reply within the statu period will apply and will statute, cause the appli	nt, however, may a reply be tim tory minimum of thirty (30) days l expire SIX (6) MONTHS from cation to become ABANDONE	nely filed s will be considered timel the mailing date of this c D (35 U.S.C. § 133).				
Status								
1)⊠ Respons	ive to communication(s) filed on	19 September 2	<u>003</u> .					
2a) ☐ This action	This action is <b>FINAL</b> . 2b) This action is non-final.							
•	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Disposition of Cla	ims							
4a) Of the 5) ☐ Claim(s) 6) ☐ Claim(s) 7) ☐ Claim(s)	4) ⊠ Claim(s) 1-13 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration.  5) □ Claim(s) is/are allowed. 6) □ Claim(s) is/are rejected. 7) □ Claim(s) is/are objected to. 8) ⊠ Claim(s) 1-13 are subject to restriction and/or election requirement.							
Application Paper	rs							
9) <u></u> The speci	fication is objected to by the Ex	aminer.						
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.								
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).								
	ent drawing sheet(s) including the or or declaration is objected to by t	· · · · · · · · · · · · · · · · · · ·						
Priority under 35	U.S.C. § 119							
a)	dgment is made of a claim for for Some * c) None of:  Intified copies of the priority documentified copies of the priority documents of the certified copies of the plication from the International Etached detailed Office action for	iments have beei iments have beei e priority docume Bureau (PCT Rule	n received. n received in Applicati ents have been receive e 17.2(a)).	on No ed in this National	Stage			
	nces Cited (PTO-892) erson's Patent Drawing Review (PTO-9 osure Statement(s) (PTO-1449 or PTO/		4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P	ate	O-152)			
Paper No(s)/Mail Date 6) Other:								

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## **DETAILED ACTION**

## Claims Status

1. Claims 1-13 are pending.

## Election/Restrictions

- 2. Restriction to one of the following inventions is required under 35 U.S.C. 121: in the instant, claims 1-13 are directed to a plurality of distinct vaccine compositions. Applicant is required under 35 U.S.C. 121 to specify a specific composition for examination. To do so, Applicant is required to specify a specific fusion polypeptide, and a specific antigen bearing target that is included in the vaccine composition. In specifying a specific fusion protein, Applicant must specify a specific ligand (cytokine receptor, CD154--a ligand for CD40, a ligand for adhesion molecule, a ligand for a defensin receptor, a ligand for a heat shock protein, a ligand for a T cell costimulatory molecule, a ligand for a counterreceptor for a T cell costimulatory molecule, a ligand for an opsonin receptor), and an antigen bearing target (a tumor cell, a virus, bacterial cell, fungal cell, a cell of a parasite, a mammalian cell, an insect cell, a polypeptide free of other cell-derived material). If Applicant elects a cytokine receptor, Applicant is required to specify a specific cytokine (GM-CSF, an interleukin, a chemokine, an interferon, a TNF-alpha ligand a flt-3 ligand).
- 3. The inventions are distinct, each from the other because of the following reasons: All of the above listed entities are patentably distinct from one another. None of the entities share a significant structural similarity among one another. A

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search for one specific vaccine composition is not required for another specific vaccine composition.

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- 4. Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).
- 5. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).
- 6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Emily Le whose telephone number is (571) 272 0903. The examiner can normally be reached on Monday Friday, 8 am 5:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James Housel can be reached on (571) 272-0902. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

> Jeffrey S. Parkin, Ph.D. **Primary Patent Examiner**

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